

NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY

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ABSTRACT OF THE DISCLOSURE

10 A method of fabricating a porous film of a non-
aqueous electrolyte secondary battery and a method of
fabricating the electrode of a non-aqueous electrolyte
secondary battery by which a highly safe and inexpensive
non-aqueous electrolyte secondary battery can be
produced, and a highly safe and inexpensive non-aqueous
electrolyte secondary battery are disclosed. The method
15 of fabricating the electrode of a non-aqueous electrolyte
secondary battery according to the invention comprises
the steps of forming an electrode plate providing a
positive electrode or a negative electrode of a non-
aqueous electrolyte secondary battery and forming and
20 attaching a porous film of a polymer material on the
surface of the electrode plate thereby to produce the
electrode plate having the porous film on the surface
thereof. The step of attaching a porous film includes
the step of modifying at least a portion of the porous
25 film by bonding a predetermined substituent different
from the group contained in the polymer material to the
carbon atoms of the backbone chain of the polymer
material through two or more successive carbon atoms in
the predetermined substituent after the porous film
30 forming step.